Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-33 (Canceled)

34. (New) A method for execution on a medical-imaging system comprising:

defining one or more sets of sequential graphic modes;

receiving a medical image;

displaying the medical image on a display device;

receiving a first user input that indicates a selected location on the medical image, and a selected set of sequential graphic modes;

entering an initial mode of the selected set of sequential graphic modes and executing a set of predefined graphic operations based on the initial mode; and

performing a continuous repetition process of:

receiving a next sequential user input that indicates a next selected location on the medical image, and

entering a next sequential mode of the selected set of sequential graphic modes and executing a set of predefined graphic operations based on the next sequential mode, if the next sequential user input is not a terminating input, and

terminating the repetition process if the next sequential user input is a terminating input .

35. (New) The method of claim 34, wherein the first user input corresponds to a mouse-click in combination with an identifier of the selected set.

36. (New) The method of claim 35, wherein the identifier of the selected set is a pressing of a key or button corresponding to the selection of the set.

37. (New) The method of claim 35, wherein the next sequential user input is a next sequential mouse-click.

38. (New) The method of claim 34, wherein the terminating input corresponds to a selection of a previously selected location on the medical image.

39. (New) The method of claim 34, wherein when the next sequential mode corresponds to a last sequential mode in the set of sequential graphic modes, subsequent next sequential modes are defined as repetitions of the last sequential mode.

40. (New) The method of claim 34 wherein the one or more sets of sequential graphic modes include a set of measurement modes, and a set of drawing modes.

41. (New) The method of claim 40, wherein the set of measuring modes includes, in sequential order: point mode, line mode, angle mode, curve mode, and region mode.

42. (New) The method of claim 40, wherein the set of drawing modes includes, in sequential order: freehand mode and poly-line mode.

43. (New) The method of claims 34, wherein the predefined graphic operations include displaying one or more measurements based on a current graphic mode.

44. (New) The method of claim 34, wherein the predefined graphic operations include extending a line from a last selected point on the image to a current location of a user-controlled cursor on the medical image.

45. (New) A medical imaging system comprising:

a display device,

an interface for receiving image information,

a user input device for receiving user input,

a memory for storing one or more defined sets of sequential graphic modes,

a controller that is configured to:

receive a medical image via the interface;

display the medical image on the display device;

receive a first user input that indicates a selected location on the medical image, and a selection of a set of sequential graphic modes;

enter an initial mode of the selected set of sequential graphic modes and execute a set of predefined graphic operations based on the initial mode; and

perform a continuous repetition process of:

receiving a next sequential user input that indicates a next selected location on the medical image, and

entering a next sequential mode of the selected set of sequential graphic modes and executing a set of predefined graphic operations based on the next sequential mode, if the next sequential user input is not a terminating input, and

terminating the repetition process if the next sequential user input is a terminating input .

46. (New) The system of claim 45, wherein the first user input corresponds to a mouse-click in combination with a pressing of a key or button corresponding to the selection of the set.

47. (New) The system of claim 45, wherein the next sequential user input is a next sequential mouse-click.

48. (New) The system of claim 45, wherein when the next sequential mode corresponds to a last sequential mode in the set of sequential graphic modes, subsequent next sequential modes are defined as repetitions of the last sequential mode.

49. (New) The system of claim 45, wherein the one or more sets of sequential graphic modes include a set of measurement modes, and a set of drawing modes.

50. (New) The method of claim 49, wherein the set of measuring modes includes, in sequential order: point mode, line mode, angle mode, curve mode, and region mode.

51. (New) The system of claim 45, wherein the predefined graphic operations include displaying one or more measurements based on a current graphic mode.

52. (New) The system of claim 45, wherein the predefined graphic operations include extending a line from a last selected point on the image to a current location of a user-controlled cursor on the medical image.

53. (New) A computer-readable medium that includes a computer program that, when executed by a processor, causes the processor to:

receive a medical image;

display the medical image on a display device;

receive a first user input that indicates a selected location on the medical image, and a selection of a set of sequential graphic modes;

enter an initial mode of the selected set of sequential graphic modes and execute a set of predefined graphic operations based on the initial mode; and

perform a continuous repetition process of:

receiving a next sequential user input that indicates a next selected location on the medical image, and

entering a next sequential mode of the selected set of sequential graphic modes and executing a set of predefined graphic operations based on the next sequential mode, if the next sequential user input is not a terminating input, and

terminating the repetition process if the next sequential user input is a terminating input.